

**To:** Burian, Jonathan[Burian.Jonathan@epa.gov]; Pellegrini, Janet[pellegrini.janet@epa.gov]  
**Cc:** McKim, Krista[mckim.krista@epa.gov]  
**From:** Pepin, Rob  
**Sent:** Fri 12/6/2013 8:07:38 PM  
**Subject:** RE: TDS at Piney and Captina Creek

Thanks for trying

**From:** Burian, Jonathan  
**Sent:** Friday, December 06, 2013 12:38 PM  
**To:** Pepin, Rob; Pellegrini, Janet  
**Cc:** McKim, Krista  
**Subject:** RE: TDS at Piney and Captina Creek

Hi Rob – Normally, that would be no problem. I have a tool that converts state planar locations in to lat/longs. But for some reason, it gave me some strange results when I punched in these locations. It converted them to locations off the coast of Nova Scotia. Not sure what is going on there. Maybe they were entered incorrectly or maybe they were using a strange coordinate system.

Sorry.

Jonathan Burian

Life Scientist/GIS Analyst

EPA, Water Division-Water Quality Branch

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Email: [burian.jonathan@epa.gov](mailto:burian.jonathan@epa.gov)

**From:** Pepin, Rob  
**Sent:** Friday, December 06, 2013 11:45 AM  
**To:** Pellegrini, Janet

**Cc:** McKim, Krista; Burian, Jonathan  
**Subject:** RE: TDS at Piney and Captina Creek

Jonathan

In the second file Janet sent in this email there are state plane x,y coordinates for each site. Can these be converted to 1983 NAD lat/lons? Thanks. I didn't see any other coordinates in the other attachment.

**From:** Pellegrini, Janet  
**Sent:** Friday, December 06, 2013 10:51 AM  
**To:** Pepin, Rob  
**Cc:** McKim, Krista; Burian, Jonathan  
**Subject:** TDS at Piney and Captina Creek

Rob,

Regarding the new assignment to look at the set aside issue re TDS and Captina. These few QMR attached, from ODNr, contain a not so obvious sampling point that may be able to assist in your calculations.

(1<sup>st</sup> file attached) Please note the indication on the map that the sample point CMD-2 is actually "at the mouth of Piney Creek" so that means its where Piney and Captina join.

The trouble with the associated data is that it does not include TDS, but it does include sulfates and hardness.

Well this is just a heads up, because I have IT's Jonathan Burian searching the multitude of analytical from the Feb 14 2011 AEC 308 and he is finding CMD-2 data that includes TDS.

He is working on this just half a day today, but will resume on Monday.

(2<sup>nd</sup> file attached)

It appears that site D-10 might be useful as well, if you could let me and Jonathan know, we could add that to his subset search?

Thanks

Janet

Janet Pellegrini, Environmental Scientist

USEPA Region 5, Water Division, NPDES Branch

**From:** Dillman, Mike [<mailto:Mike.Dillman@dnr.state.oh.us>]  
**Sent:** Friday, November 15, 2013 5:55 PM  
**To:** Pellegrini, Janet  
**Cc:** Craven, Jason; Bennett, Ginger; Grant, Sue  
**Subject:** American Energy Corporation's Bennoc Refuse proposed NPDES permit

Janet:

I have attached information that I could readily locate. The attached documents contain copies of portions of maps showing the Piney Creek area, and some recent monitoring along Piney Creek. There seems to be a little bit of uncertainty regarding the exact location of CMD-2. Of the three maps attached, one map shows D-10 at the same location as another map shows CMD-2, and a third map shows CMD-2 at a more upstream location. Nevertheless, I hope this data , cumulatively, addresses some of the information you need.

I have also attempted to answer your questions below. Let me know if you need any other information. However, I will be out of the office from November 18 through November 26. If you need any additional information, I would suggest contacting Environmental Specialist Ginger Bennett or Engineer Jason Craven, both in our Cambridge office (740-439-9079). They are both familiar with this operation. Hope this information helps. (Also see below.)

## Mike

Mike Dillman, Geologist 4

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**From:** Pellegrini, Janet [<mailto:pellegrini.janet@epa.gov>]

**Sent:** Tuesday, November 05, 2013 11:39 AM

**To:** Dillman, Mike

**Subject:** American Energy Corporation's Bennoc Refuse proposed NPDES permit

Mike,

Thanks for the time you took this morning to explain to me the review and coverage of a SMCRA permit regarding these ponds.

I am attaching the NPDES permit application, since it contains the lat/longs for the Ponds 001 & 002, proposed to be 023 & 024 respectively.

I am including below my Region 4 colleague's hydro questions re the site, for your feedback :

1. Do you have any information from the water of the US jurisdictional determination about the hydrological location of the pond? I don't have any readily available information related to a waters of the US determination. The permit itself does contain a lot of hydrologic information on surface water and ground water. We would either need to send you a copy of the entire permit for you to review, or someone from USEPA would need to come to the Mineral Resources office to identify the information you need. Within the permit, there also are narratives related to the geology and hydrology of the area.
2. Do you have the watershed size for pond 023 and 024? This would be located in the SMCRA application. Currently, we are reviewing an application to revise a permit to change the waste disposal plan. That proposal contains drawing C7, dated 1/18/12 (the same as drawing C7 in the attachments you sent), but on our drawing C7, the ponds are labeled 001 and 002, rather than the 023 and 024 on your C7. As far as I can tell, we do not have any references, to date, to ponds labeled as 023 and 024. The data in the above referenced permit revision application – on design sheet C5, also dated 1/18/12 – states that the "Total Drainage Area" of Pond 001 is 25.3 acres and that the "Total Drainage Area" of Pond 002 is 15.6 acres. You may want to verify this with engineer Jason Craven, with whom you previously spoke, in our Cambridge office (740-439-9079).

In a separate email I will send the analysis AEC submitted that contains the effluent pond chemistry from an existing pond, Pond 013.

Thanks much,

Janet

Janet Pellegrini, Environmental Scientist

USEPA Region 5, Water Division, NPDES Branch

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